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- 1 [Access control in publish/subscribe systems](#)
 Jean Bacon, David M. Evers, Jatinder Singh, Peter R. Pietzuch
 July 2008 DEBS '08: Proceedings of the second international conference systems
 Publisher: ACM
 Full text available: Pdf (1.30 MB) Additional Information: [full citation](#), [abstract](#), [bibliometrics](#)
 Bibliometrics: Downloads (6 Weeks): 63, Downloads (12 Months): 213, Citation (6 Weeks): 1, Citation (12 Months): 1

Two convincing paradigms have emerged for achieving scalability in wide area publish/subscribe communication and role-based, policy-driven access control applications. A strength of publish/subscribe ...

Keywords: encryption, publish/subscribe, role based access control

- 2 [DASS - Distributed Authentication Security Service](#)
 C. Kaufman
 September 1993 DASS - Distributed Authentication Security Service
 Publisher: RFC Editor
 Full text available: Text (287.81 KB) Additional Information: [full citation](#)
 Bibliometrics: Downloads (6 Weeks): 1, Downloads (12 Months): 11, Citation (6 Weeks): 0, Citation (12 Months): 0

- 3 [Internet Security Glossary](#)
 R. Shirey
 May 2000 Internet Security Glossary
 Publisher: RFC Editor
 Full text available: Text (489.29 KB) Additional Information: [full citation](#), [abstract](#), [bibliometrics](#)
 Bibliometrics: Downloads (6 Weeks): 21, Downloads (12 Months): 82, Citation (6 Weeks): 0, Citation (12 Months): 0

This Glossary (191 pages of definitions and 13 pages of references) provides explanations, and recommendations for use of information system security terminology to improve the comprehensibility of writing that deals with ...

- 4 [Secure sessions for Web services](#)
 Karthikeyan Bhargavan, Ricardo Corin, Cédric Fournet, Andrew D. Gordon
 May 2007 Transactions on Information and System Security (TISSEC)

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Publisher: ACM

Full text available:  Pdf (579.98 KB)

Additional Information: [full citation](#), [abstract](#), [...](#)

Bibliometrics: Downloads (6 Weeks): 97, Downloads (12 Months): 706, Citations (12 Months): 1

We address the problem of securing sequences of SOAP messages exchanged with their clients. The WS-Security standard defines basic mechanisms to secure SOAP messages at a time. For typical web services, however, using ...

Keywords: Web services, XML security


5 Verifying policy-based web services security



Karthikeyan Bhargavan, Cedric Fournet, Andrew D. Gordon

October 2008 Transactions on Programming Languages and Systems

Publisher: ACM

Full text available:  Pdf (840.56 KB)

Additional Information: [full citation](#), [abstract](#), [...](#)

Bibliometrics: Downloads (6 Weeks): 123, Downloads (12 Months): 123, Citations (12 Months): 1

WS-SecurityPolicy is a declarative language for configuring web services to describe a formal semantics for WS-SecurityPolicy and propose a more secure links between web services and their clients. ...

Keywords: Web services, XML security, pi calculus


6 Distributed Authentication of Program Integrity Verification in Wireless Sensor Networks



Katharine Chang, Kang G. Shin

March 2008 Transactions on Information and System Security (TISSEC)

Publisher: ACM

Full text available:  Pdf (1.54 MB)

Additional Information: [full citation](#), [abstract](#), [...](#)

Bibliometrics: Downloads (6 Weeks): 70, Downloads (12 Months): 464, Citations (12 Months): 1

Security in wireless sensor networks has become important as they are for an increasing number of applications. The severe resource constrain challenging to secure sensor networks. Moreover, ...

Keywords: Distributed authentication, node revocation, program integrity, sensor networks


7 Behavioral detection of malware on mobile handsets



Abhijit Bose, Xin Hu, Kang G. Shin, Taejoon Park

June 2008 MobiSys '08: Proceeding of the 6th international conference on mobile systems, applications, and services

Publisher: ACM

Full text available:  Pdf (388.55 KB)


Additional Information: [full citation](#), [abstract](#), [...](#)

Bibliometrics: Downloads (6 Weeks): 117, Downloads (12 Months): 416, Citations (12 Months): 1

A novel behavioral detection framework is proposed to detect mobile malware instead of the signature-based solutions currently available for use in mobile systems. An efficient representation of malware behaviors ...

Keywords: machine learning, mobile handsets, security, worm detectio

8 A user-centric anonymous authorisation framework in e-commerce e

 Richard Au, HariKrishna Vasanta, Kim-Kwang Raymond Choo, Mark Looi
March 2004 ICEC '04: Proceedings of the 6th international conference on E
Publisher: ACM

Full text available:  Pdf (291.06 KB) Additional Information: full citation, abstract, i

Bibliometrics: Downloads (6 Weeks): 10, Downloads (12 Months): 117, Citatio

A novel user-centric authorisation framework suitable for e-commerce is proposed. The credential-based approach allows a user to gain access ri service providers who may not have pre-existing relationships. ...

9 Securing vehicular ad hoc networks

Maxim Raya, Jean-Pierre Hubaux
January 2007 Journal of Computer Security , Volume 15 Issue 1
Publisher: IOS Press

Additional Information: full citation, abstract, references, index terms

Bibliometrics: Downloads (6 Weeks): n/a, Downloads (12 Months): n/a, Citatio

Vehicular networks are very likely to be deployed in the coming years a relevant form of mobile ad hoc networks. In this paper, we address the provide a detailed threat analysis and devise an appropriate ...

Keywords: Vehicular ad hoc networks, security, wireless

10 Diameter Base Protocol


P. Calhoun, J. Loughney, E. Guttman, G. Zorn, J. Arkko
September 2003 Diameter Base Protocol
Publisher: RFC Editor



Full text available:  Txt (341.26 KB) Additional Information: full citation, abstract, i

Bibliometrics: Downloads (6 Weeks): 4, Downloads (12 Months): 14, Citation (

The Diameter base protocol is intended to provide an Authentication, Au (AAA) framework for applications such as network access or IP mobility work in both local Authentication, Authorization & ...

11 Communications of the ACM: Volume 51 Issue 8

 August 2008 Communications of the ACM
Publisher: ACM

Full text available:  Digital Edition ,  Pdf (6.85 MB) Additional Information: full citation

Bibliometrics: Downloads (6 Weeks): 630, Downloads (12 Months): 1909, Cita

12 A new two-server approach for authentication with short secrets

John Brainard, Ari Juels, Burt Kaliski, Michael Szydlo
August 2003 SSYM'03: Proceedings of the 12th conference on USENIX
Volume 12 , Volume 12
Publisher: USENIX Association

Additional Information: full citation, abstract, references, index terms

Bibliometrics: Downloads (6 Weeks): n/a, Downloads (12 Months): n/a, Citation

Passwords and PINs continue to remain the most widespread forms of u
growing awareness of their security limitations. This is because short se
for an increasingly mobile user population. Many ...

13 Verifying policy-based security for web services



Karthikeyan Bhargavan, Cédric Fournet, Andrew D. Gordon

October 2004 CCS '04: Proceedings of the 11th ACM conference on Comput
Publisher: ACM

Full text available: Pdf (269.16 KB)

Additional Information: full citation, abstract, i

Bibliometrics: Downloads (6 Weeks): 38, Downloads (12 Months): 231, Citation

WS-SecurityPolicy is a declarative configuration language for driving we
We describe a formal semantics for WS-SecurityPolicy, and propose a m
specifying the security goals of web services ...

Keywords: XML security, pi calculus, web services

14 Secure Network Management Within an Open-Source Mobile Agent

Andreas Pashalidis, Martin Fleury

March 2004 Journal of Network and Systems Management , Volume 12 I
Publisher: Plenum Press

Full text available: Publisher Site

Additional Information: full citation, abstract, i

Bibliometrics: Downloads (6 Weeks): n/a, Downloads (12 Months): n/a, Citation

Mobile agents (MAs) have been proposed for decentralized network mar
how Aglets, a Java open-source MA framework, not a proprietary syste
enhanced network management, complementing the security of ...

Keywords: Aglets, SNMP, cryptography, secure clock

15 An authentication and validation mechanism for analyzing syslogs fo



Steen D. S. Monteiro, Robert F. Erbacher

April 2008 SIGOPS Operating Systems Review , Volume 42 Issue 3
Publisher: ACM

Full text available: Pdf (365.84 KB)

Additional Information: full citation, abstract, i

Bibliometrics: Downloads (6 Weeks): 30, Downloads (12 Months): 116, Citation

This research proposes a novel technique for authenticating and validati
This technique uses a modification of the Needham Schroeder protocol,
used only once) and public keys. Syslogs, which ...

Keywords: authentication and validation, forensic validity, model, syst

16 Designing a distributed access control processor for network service

Reiner Kraft



November 2002 XMLSEC '02: Proceedings of the 2002 ACM workshop on X
Publisher: ACM

Full text available: Pdf (301.14 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 29, Downloads (12 Months): 175, Citation

The service oriented architecture (SOA) is gaining more momentum with
on the Web. A programmable and machine accessible Web is the vision
step towards the semantic Web. However, security is ...

Keywords: Web services, XML, access control, security

17 [Mutual authentication with smart cards](#)

[Bastiaan Bakker](#)

May 1999 WOST'99: Proceedings of the USENIX Workshop on Smartcard
Workshop on Smartcard Technology

Publisher: USENIX Association

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): n/a, Downloads (12 Months): n/a, Citation

The World Wide Web has become the de facto interface for consumer or
far the interaction between consumers and merchants is mostly limited
products and credit card based payments for mail orders. ...

18 [Astrolabe: A robust and scalable technology for distributed system r data mining](#)



[Robbert Van Renesse](#), [Kenneth P. Birman](#), [Werner Vogels](#)

May 2003 Transactions on Computer Systems (TOCS), Volume 21 Issue

Publisher: ACM

Full text available: Pdf (341.62 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 55, Downloads (12 Months): 330, Citation

Scalable management and self-organizational capabilities are emerging
generation of large-scale, highly dynamic, distributed applications. We
distributed information management system called Astrolabe. ...

Keywords: Aggregation, epidemic protocols, failure detection, gossip, scalability

19 [An open-source cryptographic coprocessor](#)

[Peter Guimann](#)

August 2000 SSYM'00: Proceedings of the 9th conference on USENIX
Volume 9, Volume 9


Publisher: USENIX Association

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): n/a, Downloads (12 Months): n/a, Citation

Current crypto implementations rely on software running under general
alongside a horde of untrusted applications, ActiveX controls, web browser
messages with embedded active content, and numerous other ...

20 [Communications of the ACM: Volume 51 Issue 11](#)

 November 2008 Communications of the ACM

Publisher: ACM

Full text available:  Digital Edition ,  Pdf (8.26 MB) Additional Information: [full citation](#)

Bibliometrics: Downloads (6 Weeks): 9425, Downloads (12 Months): 9425, Cit

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